

155. Paroxetine methanesulfonate having *inter alia* the following characteristic IR peaks: 1603, 1513, 1194, 1045, 946, 830, 776, 601, 554, and 539 ± 4 cm⁻¹; and the following characteristic XRD peaks: 8.3, 10.5, 15.6, 16.3, 17.7, 18.2, 19.8, 20.4, 21.5, 22.0, 22.4, 23.8, 24.4, 25.0, 25.3, 25.8, 26.6, 30.0, 30.2, and 31.6 ± 0.2 degrees 2 theta.

156. Paroxetine methanesulfonate having *inter alia* the following characteristic XRD peaks: 8.3, 10.5, 15.6, 16.3, 17.7, 18.2, 19.8, 20.4, 21.5, 22.0, 22.4, 23.8, 24.4, 25.0, 25.3, 25.8, 26.6, 30.0, 30.2, and 31.6 ± 0.2 degrees 2 theta.

e! 157. A method of treating or preventing a disease state selected from: depression, panic disorder, pre-menstrual syndrome, anxiety, obsessive compulsive disorder, social phobia and adolescent depression, which comprises administering an effective or prophylactic amount of paroxetine methanesulfonate having the following characteristic IR peaks: 1603, 1194, 1045, 946, 830, 601, 554, and 539 ± 4 cm⁻¹.

158. A method of treating or preventing a disease state selected from: depression, panic disorder, pre-menstrual syndrome, anxiety, obsessive compulsive disorder, social phobia and adolescent depression, which comprises administering an effective or prophylactic amount of paroxetine methanesulfonate, as described in claim 155.

159. A method of treating or preventing a disease state selected from: depression, panic disorder, pre-menstrual syndrome, anxiety, obsessive compulsive disorder, social phobia and adolescent depression, which comprises administering an effective or prophylactic amount of paroxetine methanesulfonate, as described in claim 156.

160. A pharmaceutical composition comprising a compound according to claim 155 and a pharmaceutically acceptable carrier.

161. A pharmaceutical composition comprising a compound according to claim 156 and a pharmaceutically acceptable carrier.

162. A composition according to claim 160 in which the carrier comprises a binder.

163. A composition according to claim 160 in which the carrier comprises a colouring agent.

164. A composition according to claim 160 in which the carrier comprises a flavouring agent.
165. A composition according to claim 160 in which the carrier comprises a preservative.
166. A composition according to claim 160 adapted for oral administration.
167. A composition according to claim 166 which is a tablet or capsule.
168. A composition according to claim 167 which is a modified oval shaped tablet.
169. A composition according to claim 160 comprising 1 to 200mg of active ingredient, calculated on a free base basis.
170. A composition according to claim 161 comprising 1 to 200mg of active ingredient, calculated on a free base basis.
171. A pharmaceutical composition adapted for oral administration comprising per unit dose 10, 12.5, 15, 20, 25, 30 or 40 mg, calculated on a free base basis, of paroxetine methanesulfonate having the following characteristic IR peaks: 1603, 1194, 1045, 946, 830, 601, 554, and $539 \pm 4 \text{ cm}^{-1}$, and a pharmaceutically acceptable carrier.
172. A pharmaceutical composition adapted for oral administration comprising per unit dose 10 mg, calculated on a free base basis, of paroxetine methanesulfonate having the following characteristic IR peaks: 1603, 1194, 1045, 946, 830, 601, 554, and $539 \pm 4 \text{ cm}^{-1}$, and a pharmaceutically acceptable carrier.
173. A pharmaceutical composition adapted for oral administration comprising per unit dose 20 mg, calculated on a free base basis, of paroxetine methanesulfonate having the following characteristic IR peaks: 1603, 1194, 1045, 946, 830, 601, 554, and $539 \pm 4 \text{ cm}^{-1}$, and a pharmaceutically acceptable carrier.
174. A pharmaceutical composition adapted for oral administration comprising per unit dose 30 mg, calculated on a free base basis, of paroxetine methanesulfonate having the following characteristic IR peaks: 1603, 1194, 1045, 946, 830, 601, 554, and $539 \pm 4 \text{ cm}^{-1}$, and a pharmaceutically acceptable carrier.

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175. A pharmaceutical composition adapted for oral administration comprising per unit dose 40 mg, calculated on a free base basis, of paroxetine methanesulfonate having the following characteristic IR peaks: 1603, 1194, 1045, 946, 830, 601, 554, and $539 \pm 4\text{cm}^{-1}$, and a pharmaceutically acceptable carrier.

176. A pharmaceutical composition adapted for oral administration comprising per unit dose 12.5 mg, calculated on a free base basis, of paroxetine methanesulfonate having the following characteristic IR peaks: 1603, 1194, 1045, 946, 830, 601, 554, and $539 \pm 4\text{cm}^{-1}$, and a pharmaceutically acceptable carrier.

177. A pharmaceutical composition adapted for oral administration comprising per unit dose 15 mg, calculated on a free base basis, of paroxetine methanesulfonate having the following characteristic IR peaks: 1603, 1194, 1045, 946, 830, 601, 554, and $539 \pm 4\text{cm}^{-1}$, and a pharmaceutically acceptable carrier.

178. A pharmaceutical composition adapted for oral administration comprising per unit dose 25 mg, calculated on a free base basis, of paroxetine methanesulfonate having the following characteristic IR peaks: 1603, 1194, 1045, 946, 830, 601, 554, and $539 \pm 4\text{cm}^{-1}$, and a pharmaceutically acceptable carrier.

179. A pharmaceutical composition adapted for oral administration comprising per unit dose 50 mg, calculated on a free base basis, of paroxetine methanesulfonate having the following characteristic IR peaks: 1603, 1194, 1045, 946, 830, 601, 554, and $539 \pm 4\text{cm}^{-1}$, and a pharmaceutically acceptable carrier.

180. Paroxetine methanesulfonate having *inter alia* the following characteristic IR peaks: 1603, 1513, 1194, 1045, 946, 830, 776, 601, 554 and 539 cm^{-1} ; and the following characteristic XRD peaks: 8.3, 10.5, 15.6, 16.3, 17.7, 18.2, 19.8, 20.4, 21.5, 22.0, 22.4, 23.8, 24.4, 25.0, 25.3, 25.8, 26.6, 30.0, 30.2 and 31.6.

181. Paroxetine methanesulfonate having *inter alia* the following characteristic XRD peaks: 8.3, 10.5, 15.6, 16.3, 17.7, 18.2, 19.8, 20.4, 21.5, 22.0, 22.4, 23.8, 24.4, 25.0, 25.3, 25.8, 26.6, 30.0, 30.2 and 31.6.

182. A method of treating or preventing a disease state selected from: depression, panic disorder, pre-menstrual syndrome, anxiety, obsessive compulsive disorder, social phobia and adolescent depression, which comprises administering an effective or prophylactic amount of paroxetine methanesulfonate in crystalline form having the

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following characteristic IR peaks: 1603, 1194, 1045, 946, 830, 601, 554 and 539 cm⁻¹.

183. A method of treating or preventing a disease state selected from: depression, panic disorder, pre-menstrual syndrome, anxiety, obsessive compulsive disorder, social phobia and adolescent depression, which comprises administering an effective or prophylactic amount of paroxetine methanesulfonate, as described in claim 180.

184. A method of treating or preventing a disease state selected from: depression, panic disorder, pre-menstrual syndrome, anxiety, obsessive compulsive disorder, social phobia and adolescent depression, which comprises administering an effective or prophylactic amount of paroxetine methanesulfonate, as described in claim 181.

185. A pharmaceutical composition comprising a compound according to claim 180 and a pharmaceutically acceptable carrier.

186. A pharmaceutical composition comprising a compound according to claim 181 and a pharmaceutically acceptable carrier.

187. A composition according to claim 180 in which the carrier comprises a binder.

188. A composition according to claim 180 in which the carrier comprises a colouring agent.

189. A composition according to claim 180 in which the carrier comprises a flavouring agent.

190. A composition according to claim 180 in which the carrier comprises a preservative.

191. A composition according to claim 180 adapted for oral administration.

192. A composition according to claim 191 which is a tablet or capsule.

193. A composition according to claim 192 which is a modified oval shaped tablet.

194. A composition according to claim 180 comprising 1 to 200mg of active ingredient, calculated on a free base basis.

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195. A composition according to claim 181 comprising 1 to 200mg of active ingredient, calculated on a free base basis.

196. A pharmaceutical composition adapted for oral administration comprising per unit dose 10 mg, calculated on a free base basis, of paroxetine methanesulfonate having the following characteristic IR peaks: 1603, 1194, 1045, 946, 830, 601, 554, and 539 cm^{-1} , and a pharmaceutically acceptable carrier.

197. A pharmaceutical composition adapted for oral administration comprising per unit dose 20 mg, calculated on a free base basis, of paroxetine methanesulfonate having the following characteristic IR peaks: 1603, 1194, 1045, 946, 830, 601, 554, and 539 cm^{-1} , and a pharmaceutically acceptable carrier.

198. A pharmaceutical composition adapted for oral administration comprising per unit dose 30 mg, calculated on a free base basis, of paroxetine methanesulfonate having the following characteristic IR peaks: 1603, 1194, 1045, 946, 830, 601, 554, and 539 cm^{-1} , and a pharmaceutically acceptable carrier.

199. A pharmaceutical composition adapted for oral administration comprising per unit dose 40 mg, calculated on a free base basis, of paroxetine methanesulfonate having the following characteristic IR peaks: 1603, 1194, 1045, 946, 830, 601, 554, and 539 cm^{-1} , and a pharmaceutically acceptable carrier.

200. A pharmaceutical composition adapted for oral administration comprising per unit dose 12.5 mg, calculated on a free base basis, of paroxetine methanesulfonate having the following characteristic IR peaks: 1603, 1194, 1045, 946, 830, 601, 554, and 539 cm^{-1} , and a pharmaceutically acceptable carrier.

201. A pharmaceutical composition adapted for oral administration comprising per unit dose 15 mg, calculated on a free base basis, of paroxetine methanesulfonate having the following characteristic IR peaks: 1603, 1194, 1045, 946, 830, 601, 554, and 539 cm^{-1} , and a pharmaceutically acceptable carrier.

202. A pharmaceutical composition adapted for oral administration comprising per unit dose 25 mg, calculated on a free base basis, of paroxetine methanesulfonate having the following characteristic IR peaks: 1603, 1194, 1045, 946, 830, 601, 554, and 539 cm^{-1} , and a pharmaceutically acceptable carrier.

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